

FIG. 1

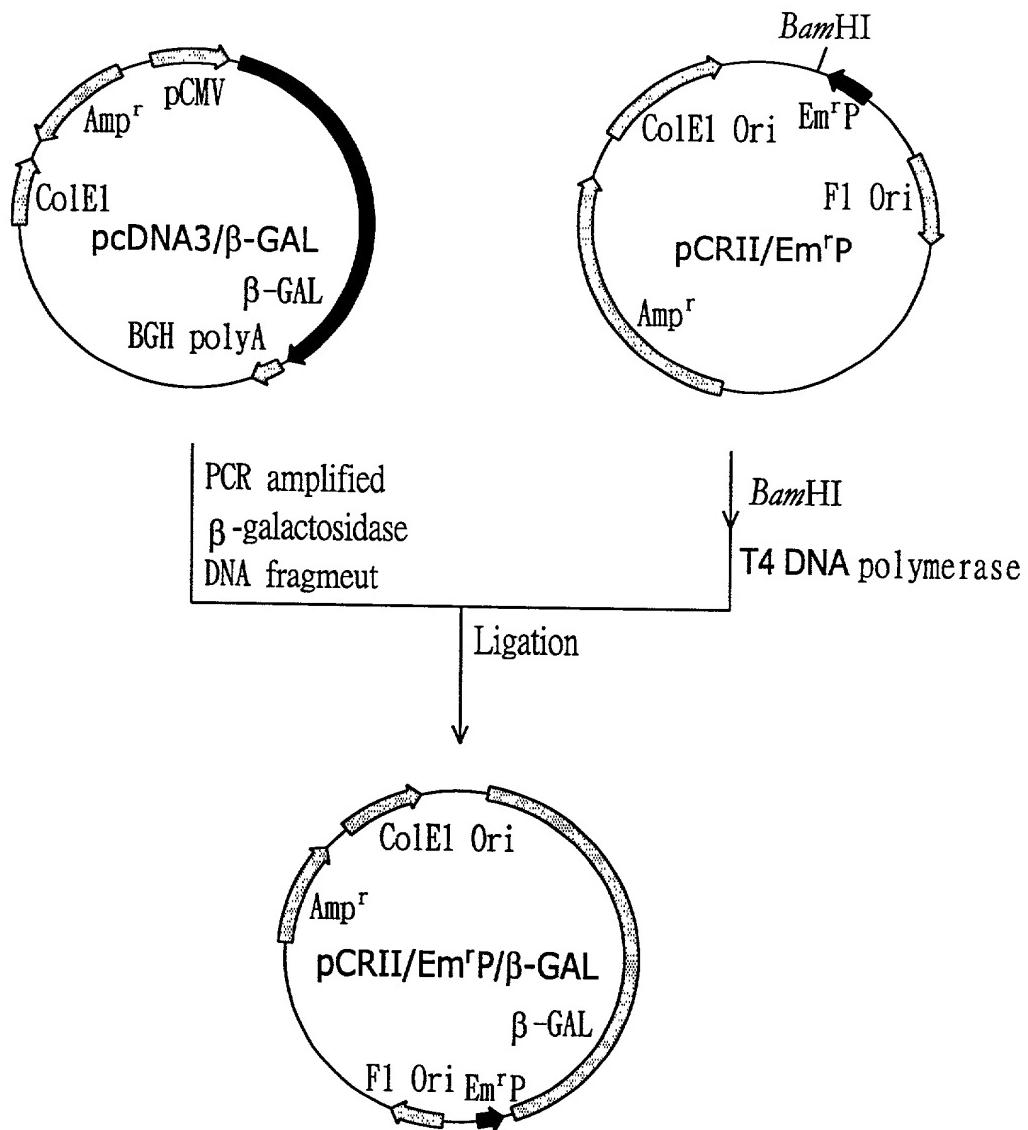


FIG. 2

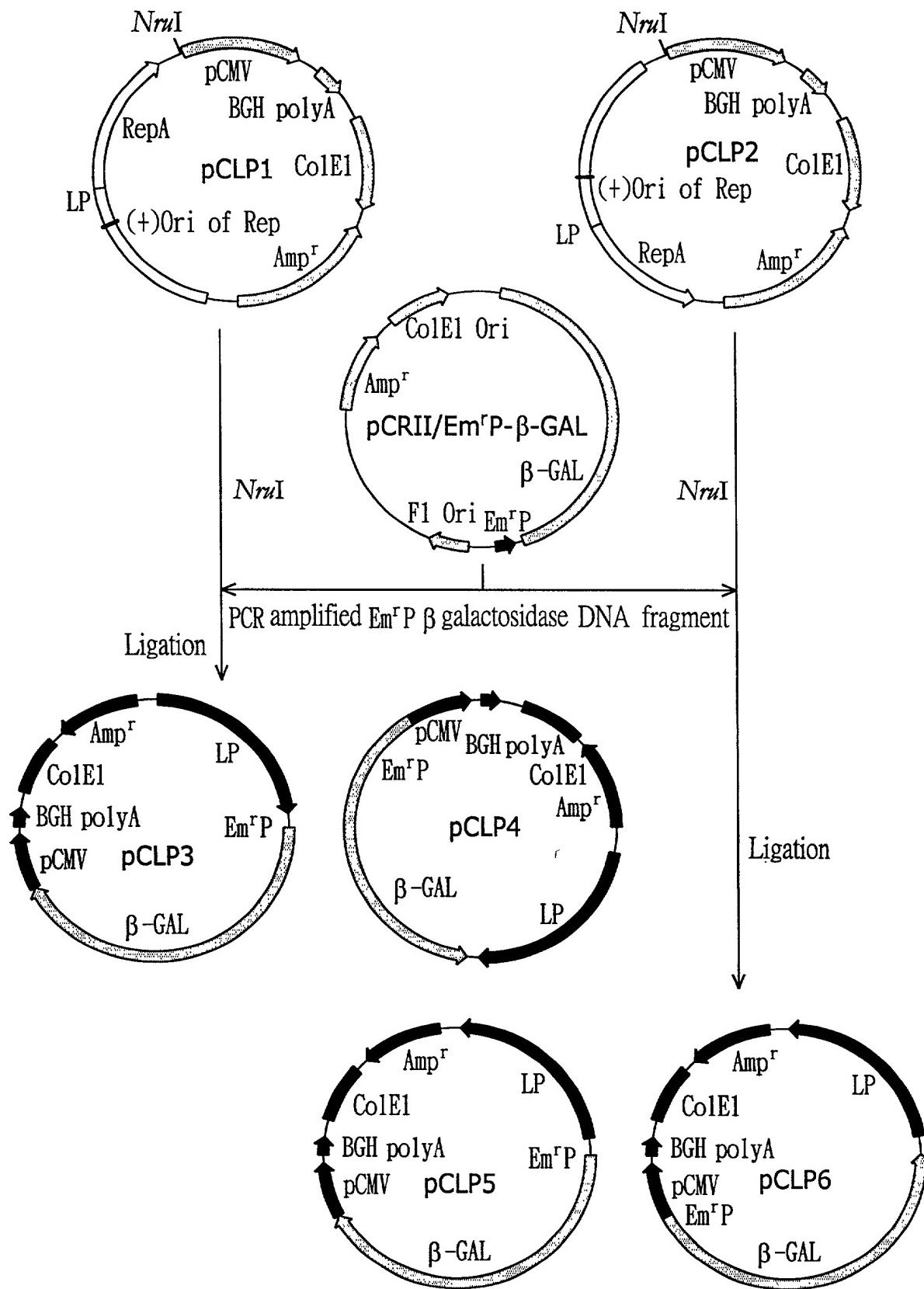
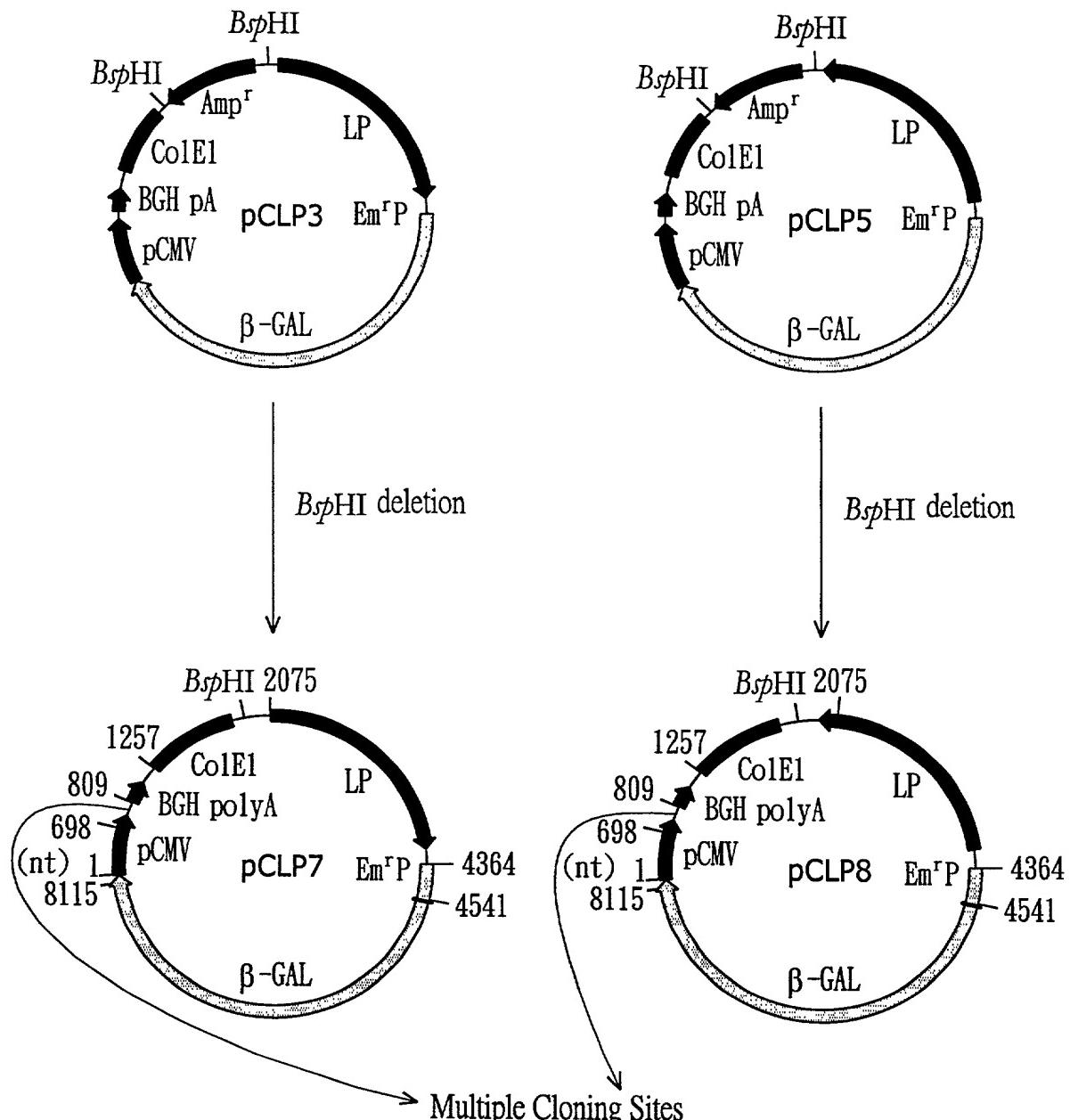


FIG. 3



*Bam*HI
 687 GTACCGAGCTCGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCT 735
*Pst*I *Eco*RV *Not*I *Xba*I
 736 GCAGATATCCATCACACTGGCGCCGCTCGAGCATGCATCTAGAGGGCC 784

FIG. 4

10	20	30	40	50	60
GATGTACGGG	CCAGATATAC	GCGTTGACAT	TGATTATTGA	CTAGTTATTA	ATAGTAATCA
70	80	90	100	110	120
ATTACGGGGT	CATTAGTTCA	TAGCCCATAT	ATGGAGTTCC	GCGTTACATA	ACTTACGGTA
130	140	150	160	170	180
AATGGCCCCGC	CTGGCTGACC	GCCCAACGAC	CCCCGCCAT	TGACGTCAAT	AATGACGTAT
190	200	210	220	230	240
GTTCCCATAG	TAACGCCAAT	AGGGACTTTC	CATTGACGTC	AATGGGTGGA	CTATTACGG
250	260	270	280	290	300
TAAACTGCC	ACTTGGCAGT	ACATCAAGTG	TATCATATGC	CAAGTACGCC	CCCTATTGAC
310	320	330	340	350	360
GTCAATGACG	GTAAATGGCC	CGCCTGGCAT	TATGCCAGT	ACATGACCTT	ATGGGACTTT
370	380	390	400	410	420
CCTACTTGGC	AGTACATCTA	CGTATTAGTC	ATCGCTATTA	CCATGGTGAT	GCGGTTTTGG
430	440	450	460	470	480
CAGTACATCA	ATGGGCGTGG	ATAGCGGTTT	GACTCACGGG	GATTTCCAAG	TCTCCACCCC
490	500	510	520	530	540
ATTGACGTCA	ATGGGAGTTT	GTTTTGGCAC	CAAATCAAC	GGGACTTTCC	AAAATGTCGT
550	560	570	580	590	600
AACAACCTCG	CCCCATTGAC	GCAAATGGGC	GGTAGGCGTG	TACGGTGGGA	GGTCTATATA
610	620	630	640	650	660
AGCAGAGCTC	TCTGGCTAAC	TAGAGAACCC	ACTGCTTACT	GGCTTATCGA	AATTAATACG
670	680	690	700	710	720
ACTCACTATA	GGGAGACCCA	AGCTTGGTAC	CGAGCTCGGA	TCCACTAGTA	ACGGCCGCCA
730	740	750	760	770	780
GTGTGCTGGA	ATTCTGCAGA	TATCCATCAC	ACTGGGGGCC	GCTCGAGCAT	GCATCTAGAG
790	800	810	820	830	840
GGCCCTATT	TATAGTGTCA	CCTAAATGCT	AGAGCTCGCT	GATCAGCCTC	GACTGTGCCT
850	860	870	880	890	900
TCTAGTTGCC	AGCCATCTGT	TGTTTGCCCC	TCCCCCGTGC	CTTCCTTGAC	CCTGGAAGGT
910	920	930	940	950	960
GCCACTCCCA	CTGTCCTTTC	CTAATAAAAT	GAGGAAATTG	CATCGCATIG	TCTGAGTAGG
970	980	990	1000	1010	1020
TGTCATTCTA	TTCTGGGGGG	TGGGGTGGGG	CAGGACAGCA	AGGGGGAGGA	TTGGGAAGAC
1030	1040	1050	1060	1070	1080
AATAGCAGGC	ATGCTGGGGA	TGCGGTGGGC	TCTATGGCTT	CTGAGGCGGA	AAGAACCAAGC
1090	1100	1110	1120	1130	1140
TGCATTAATG	AATCGGCCAA	CGCGCGGGGA	GAGGCGGTTT	GCGTATTGGG	CGCTCTCCG
1150	1160	1170	1180	1190	1200
CTTCCTCGCT	CACTGACTCG	CTGCGCTCGG	TCGTTGGCT	GCGGCGAGCG	GTATCAGCTC

FIG. 5A

FIG. 5B

FIG. 5C

FIG. 5D

FIG. 5E

FIG. 5F

FIG. 5G

FIG. 5A

1210 1220 1230 1240 1250 1260
 ACTCAAAGGC GGTAAATACGG TTATCCACAG AATCAGGGGA TAACGCAGGA AAGAACATGT

 1270 1280 1290 1300 1310 1320
 GAGCAAAAGG CCAGCAAAAG GCCAGGAACC GTAAAAAGGC CGCGTTGCIG GCGTTTTGCC

 1330 1340 1350 1360 1370 1380
 ATAGGCTCCG CCCCCCTGAC GAGCATCACA AAAATCGACG CTCAAGTCAG AGGTGGCGAA

 1390 1400 1410 1420 1430 1440
 ACCCGACAGG ACTATAAAGA TACCAGGCCTT TTCCCCCTGG AAGCTCCCTC GTGGCCTCTC

 1450 1460 1470 1480 1490 1500
 CTGTTCCGAC CCTGCCGCTT ACCGGATACC TGTCCGCCTT TCTCCCTTCG GGAAGCGTGG

 1510 1520 1530 1540 1550 1560
 CGCTTTCTCA ATGCTCACGC TGTAGGTATC TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC

 1570 1580 1590 1600 1610 1620
 TGGGCTGTGT GCACGAACCC CCCGTTTCAGC CCGACCGCTG CGCCTTATCC GGTAACTATC

 1630 1640 1650 1660 1670 1680
 GTCTTGAGTC CAACCCGGTA AGACACGACT TATGCCACT GGCAGCAGCC ACTGGTAACA

 1690 1700 1710 1720 1730 1740
 GGATTAGCAG AGCGAGGTAT GTAGGCGGTG CTACAGAGTT CTGAAAGTGG TGGCTTAAC

 1750 1760 1770 1780 1790 1800
 ACGGCTACAC TAGAAGGACA GTATTTGGTA TCTGCGCTCT GCTGAAGCCA GTTACCTTCG

 1810 1820 1830 1840 1850 1860
 GAAAAAGAGT TGGTAGCTCT TGATCCGGCA AACAAACCAC CGCTGGTAGC GGTGGTTTT

 1870 1880 1890 1900 1910 1920
 TTGTTTGCAA GCAGCAGATT ACGCGCAGAA AAAAAGGATC TCAAGAAGAT CCTTTGATCT

 1930 1940 1950 1960 1970 1980
 TTTCTACGGG GTCTGACGCT CAGTGGAACG AAAACTCACG TTAAGGGATT TTGGTCATGA

 1990 2000 2010 2020 2030 2040
 GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAAACAAAT AGGGGTTCGG CGCACATTTC

 2050 2060 2070 2080 2090 2100
 CCCGAAAAGT GCCACCTGAC GTCGACGGAT CGGGAGATCA ACGGTAAATC CGTGGCATA

 2110 2120 2130 2140 2150 2160
 TCCCTTTTTT GTTGTCAAGCT TGCTGACTTC TGATACAGGT TTTAGCATTA CTCCAATTAA

 2170 2180 2190 2200 2210 2220
 TTTGGAGTGT AAGTGCACAT TATCATGTAG TGCGCATTAT CATGTAGTGC GCATTATCAT

 2230 2240 2250 2260 2270 2280
 GTAGTGCAGCA TTATCATGTA GTGCGCATTAA TCATGTAGTGT CGCATTATCA TGTAGTGC

 2290 2300 2310 2320 2330 2340
 ATTATCATGT AGTGGCACA TTATCATGTA CATTATCATG TAGTGGCAT TATCATGTAG

 2350 2360 2370 2380 2390 2400
 TGCGCACATT ATCATGTAGT GCGCATTATC ATGTAGTGCAG CATTATCATG TAGTGC

FIG. 5B

2410 2420 2430 2440 2450 2460
 TTACACACAA CATGAAGTTG TGTGTGCTA AACCATCAA AACCTGCATC AGATTCGCG
 2470 2480 2490 2500 2510 2520
 TTGCTCAAC GTAACTGACT TGCGTCAGTT TGGAACATTG AAAATAAAT AAGTCAGTC
 2530 2540 2550 2560 2570 2580
 GCTAGCTCCT TCGAACCTTTT TTATTTTGAG ACGTTAATTG TAAAGGCTCT TATTGCGTT
 2590 2600 2610 2620 2630 2640
 CTAAGCGATT TTAGCTAACAGTTAGCTATC TAACIGTCTG TCAACGGTAA ATCGACTTAG
 2650 2660 2670 2680 2690 2700
 AGGGGCTTAT TGAGCCCTAC AGGCGATATT AGCCCCCTCTT GGAGGCTTTA AGGAGTTGAT
 2710 2720 2730 2740 2750 2760
 AGACTAGACA ATACCAAAAG CCTGACGTCT TGGAAAACAA GCCCTTGTTT TCCCGAGCCC
 2770 2780 2790 2800 2810 2820
 AGCGGGCGGCA AGCGTTACGG TCCAGCTGGT TCAGCTGGTC AGTGTGGCTG AAAGCCACGG
 2830 2840 2850 2860 2870 2880
 TTTAAAAAAA GCAGTTCAAGC GGTTTTTGCT GATCTGCTTT TTGGGGTTA AAAACGCAAT
 2890 2900 2910 2920 2930 2940
 TTTGGCGTT TTCTTCTTAT CTTGATACTA TTAGCAACAA CTAGTTTTT AAAATCAAGC
 2950 2960 2970 2980 2990 3000
 TTGATTAGGC TTAATTGGGC TTGTATCCAT TGATTTTATA GGCTTTGGT GTATTATTAG
 3010 3020 3030 3040 3050 3060
 GGTTATAAAT TGGTGAAAG AAAGACAAAA TAAAAACCCA CGTGCAAATT CCTAGTTGG
 3070 3080 3090 3100 3110 3120
 CCGCTCGGAA CACGTGAGTT GATTATCATT TGCGATTTAT AGCCTATCT AGGGGAAAG
 3130 3140 3150 3160 3170 3180
 CCCTATGATG TCAAGGTTAT AAGCTTATTG AAAAGATAG TCAGCTCCTT CACGTGGATA
 3190 3200 3210 3220 3230 3240
 AACTGGAGGA GCTTTTTATG TCAGAAATTG TTGAAGATAA AACTGAAAT GGCAAAGTTA
 3250 3260 3270 3280 3290 3300
 GACCTTGGCG AGAACGGAAG ATTGAAAATG TGGCCTATGC CGAATATTG GCAATCTTAG
 3310 3320 3330 3340 3350 3360
 AATTTAAACG GGCACATGAT GTACGGGGTT GTGGTGAAGT TTGCGTTTT CGTAAGATTG
 3370 3380 3390 3400 3410 3420
 GCGAGCACTT AAAACTTTAT CAAACGTGGT TTTGTCATAA ACGATTGTGT CCATTGTGTA
 3430 3440 3450 3460 3470 3480
 ATTGGAGAAG GAGCATGAAA AACTCGAGCC AGTAAAACA AATTATTGCG GAAGCAGTTG
 3490 3500 3510 3520 3530 3540
 CAAGAGAGCC TAAAGGACGG TTTTGTGTTT TAACTTTAAC CGTTAAAAC GCTCATTGAG
 3550 3560 3570 3580 3590 3600
 CAGAGGAGTT AAAAGTGTCT TTAAGAGCTT TGACTAAAGC CTTAATAAG CTAACTCGCT

FIG. 5C

3610 3620 3630 3640 3650 3660
 ATAAAAAAAGT GACTAAAAAT TTATTTGGGT ATTACGTTTC AACGGAATT ACCGTTAATG

 3670 3680 3690 3700 3710 3720
 ACAAAGACGG GTCATATAAT CAACACTTGC ATGTGTTGCT GTTTGTAAAA TCAAGTTATT

 3730 3740 3750 3760 3770 3780
 TTAAGAATTTC AAATAATTAT TTAGCACAAG CAGAATGGGC AAAATTATGG CAAAAGCCT

 3790 3800 3810 3820 3830 3840
 TGAAAGTTGA TTATGAGCCT GTGGTGCATG TGCAGGCTGT TAAAGCTAAC AAACGTAAAG

 3850 3860 3870 3880 3890 3900
 GAACTGACTC TTTGCAAGCT AGTGCCGAAG AAACGGCGAA ATACGAGGTA AAATCAGCTG

 3910 3920 3930 3940 3950 3960
 ATTATATGAC GGCTGATGAT GAGCGTAATT TGGTGGTGAT TAAAAATTG GAGTATGCCT

 3970 3980 3990 4000 4010 4020
 TAGCTGGAAC ACGACAAATC AGCTATGGTG GATTATTAAA GCAAATTAAG CAAGATTTGA

 4030 4040 4050 4060 4070 4080
 AACTTGAAGA TGTTGAGAAT GGTGATTAG TTCATGTTGG CGATGAAGAT TACACCAAAG

 4090 4100 4110 4120 4130 4140
 AGCAAATGGA AGCTGCGGAA GAAGTTGTCG CAAAATGGGA TTTTAATAAA CAAAATTATT

 4150 4160 4170 4180 4190 4200
 TTATTTGGTA AAGAGAAATGT CAGGATATGA TCTCCCGATC CCCTATGGTC GACTCTCAGT

 4210 4220 4230 4240 4250 4260
 ACAATCTGCT CTGATGCCGC ATAGTTAACG CAGTATCTGC TCCCTGTTG TGTGTTGGAG

 4270 4280 4290 4300 4310 4320
 GTCGCTGAGT AGTGCAGCAG CAAAATTAA GCTACAACAA GGCAAGGCTT GACCGACAAT

 4330 4340 4350 4360 4370 4380
 TGCATGAAGA ATCTGCTTAG GGTTAGGCCT TTTGCGCTGC TTCTGTTAGAA GCAAACATAAG

 4390 4400 4410 4420 4430 4440
 AGTGTGTTGA GTAGTGCAGT ATCTTAAAT TTGTATAAT AGGAATTGAA GTAAATTAG

 4450 4460 4470 4480 4490 4500
 ATGCTAAAAA TTGTAATTAA AGAAGGAGTG ATTACATGAT TGGCAGCCAG TCTCCGGGCA

 4510 4520 4530 4540 4550 4560
 ATTAATGAAC TTGGACATGG TTGACGACCC GGTCTTIGCA AGCCGAATTG GACCACACTG

 4570 4580 4590 4600 4610 4620
 GCGGCCGTTA CTAGGGTATC GATCCGATAA AAAGTTAGGC GACGGCTTIG CCCTGGTGCC

 4630 4640 4650 4660 4670 4680
 AGCAGACGGT AAGGTCTACG CGCCATTGTC CGGTACTGTC CGCCAGCTGG CCAAGACCCG

 4690 4700 4710 4720 4730 4740
 GCACTCGATC GTCTGGAAA ATGAACATGG GGTCTTGGTC TTGATTCAAC TTGGCCTGGG

 4750 4760 4770 4780 4790 4800
 CACGGTCAAA TTAAACGGGA CTGGCTTGT CAGCTATGTT GAAGAGGGCA GCCAGGTAGA

FIG. 5D

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4810 4820 4830 4840 4850 4860
AGCCGGCCAG CAGATCCTGG AATTCTGGG CCCGGCGATC AAGCAGGCCA AGCTGGACGA

4870 4880 4890 4900 4910 4920
CACGGTAATC GTGACCGTCA TCAACAGCGA AACTTTACAA AATAGCCAGA TGCTCTTGCC

4930 4940 4950 4960 4970 4980
GATCGGCCAC AGCGTCCAAG CCCTGGATGA TGTATTCAAG TTAGAAGGGG AGAATTAGAA

4990 5000 5010 5020 5030 5040
AATGAGCAAT AAGTTAGTAA AAGAAAAAAG AGTTGACCAG GCAGACCTGG CCTGGCTGAC

5050 5060 5070 5080 5090 5100
TGACCCGAA GTTTACGAAG TCAATACAAT TCCCCCGCAC TCCGACCATG AGTCCTTCCA

5110 5120 5130 5140 5150 5160
AAGCCAGGAA GAACTGGAGG AGGGCAAGTC CAGTTTAGTG CAGTCCCTGG ACGGGGACTG

5170 5180 5190 5200 5210 5220
GCTGATTGAC TACGCTGAAA ACGGCCAGGG ACCAGTCAAC TTCTATGCAG AAGACTTTGA

5230 5240 5250 5260 5270 5280
CGATAGCAAT TTAAAGTCAG TCAAAGTACC CGGCAACCTG GAACTGCAAG GCTTGGCCA

5290 5300 5310 5320 5330 5340
GCCCCAGTAT GTCAACGTCC AATATCCATG GGACGGCAGT GAGGAGATTT TCCCCCCCCA

5350 5360 5370 5380 5390 5400
AATTCCAAGC AAAAATCCGC TCGCTCTTA TGTCAGATAC TTTGACCTGG ATGAAGCTTT

5410 5420 5430 5440 5450 5460
CTGGGACAAG GAAGTCAGCT TGAAGTTGAGG CGGGGCGGCA ACAGCCATCT ATGTCTGGCT

5470 5480 5490 5500 5510 5520
GAACGGCCAC TTCGTCGGCT ACGGGGAAGA CTCCCTTACCC CCAAGCGAGT TTATGGTTAC

5530 5540 5550 5560 5570 5580
CAAGTTCTC AAGAAAGAAA ATAACCGCCT GGCAGTGGCT CTCTACAAGT ATTCTCCGC

5590 5600 5610 5620 5630 5640
CTCCCTGGCTG GAAGACCAGG ACTTCTGGCG CATGTCTGGT TTGTTCAAGAT CAGTGAATCT

5650 5660 5670 5680 5690 5700
TCAGGCCAAG CCGCGTCTGC ACTTGGAGGA CCTTAAGCTT ACGGCCAGCT TGACCGATAA

5710 5720 5730 5740 5750 5760
CTACCAAAAA GGAAAGCTGG AAGTCGAAGC CAATATTGCC TACCGCTTGC CAAATGCCAG

5770 5780 5790 5800 5810 5820
CTTTAAGCTG GAAGTGCAGG ATAGTGAAGG TGACTTGGTT GCTGAAAAGC TGGGCCAAT

5830 5840 5850 5860 5870 5880
CAGAACCGAG CAGCTGGAAT TCACTCTGGC TGATTGCA GTAGCTGCCT GGAGCGCGGA

5890 5900 5910 5920 5930 5940
AAAGCCTAAC CTTTACCAAGG TCCGCCTGTA TTTATACCAAG GCAGGCAGCC TCTTAGAGGT

5950 5960 5970 5980 5990 6000
TAGCCGGCAG GAAGTGGTT TCCGCAACTT TGAACAAAAA GACGGGATTA TGTACCTTAA

FIG. 5E

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6010 6020 6030 6040 6050 6060
CGGCCAGCGG ATCGTCTTCA AGGGGGCCAA CCGGCACGAA TTGACAGTA AGTGGGTG

6070 6080 6090 6100 6110 6120
GGCTATCACG GAAGAGGATA TGATCTGGGA CATCAAGACC ATGAAGCGAA GCAACATCAA

6130 6140 6150 6160 6170 6180
TGCTGTCCGC TGCTCTCACT ACCCGAACCA GTCCCTCTTT TACCGGCTCT GTGACAAGTA

6190 6200 6210 6220 6230 6240
CGGCCTTAC GTCATTGATG AAGCTAACCT GGAAAGCCAC GGCACCTGGG AAAAAGTGGG

6250 6260 6270 6280 6290 6300
GGGGCACGAA GATCCTAGCT TCAATGTTCC AGGCGATGAC CAGCATGGC TGGGAGCCAG

6310 6320 6330 6340 6350 6360
CTTATCCCGG GTGAAGAACCA TGATGGCTCG GGACAAGAAC CATGCTTCAA TCCTAATCTG

6370 6380 6390 6400 6410 6420
GTCTTTAGGC AATGAGTCTT ACGCCGGCAC TGTCTTIGCC CAAATGGCTG ATTACGTCCG

6430 6440 6450 6460 6470 6480
GAAGGCTGAT CCGACCCGGG TTCAGCACTA TGAAGGGGTG ACCCACAAACC GGAAGTTTGA

6490 6500 6510 6520 6530 6540
CGACGCCACC CAGATTGAAA GCCGGATGTA TGCTCCGGCC AAGGTAATTG AAGAATACTT

6550 6560 6570 6580 6590 6600
GACCAATAAA CCAGCCAAGC CATTTATCTC AGTTGAATAC GCTCACGCCA TGGGCAACTC

6610 6620 6630 6640 6650 6660
CGTCGGTGAC CTGGCCGCCT ACACGGCCCT GGAAAAATAC CCCCACTTACCC AGGGCGGCTT

6670 6680 6690 6700 6710 6720
CATCTGGGAC TGGATTGACC AAGGACTGGA AAAAGACGGG CACCTGCTTT ATGGGGGGCGA

6730 6740 6750 6760 6770 6780
CTTCGATGAC CGGCCAACCG ACTATGAATT CTGCGGGAAC GGCTGGTCT TTGCTGACCG

6790 6800 6810 6820 6830 6840
GAATGAATCG CCGAAACTGG CTAATGTCAA GGCCCTTAC GCCAACCTTA AGTTAGAAGT

6850 6860 6870 6880 6890 6900
AAAAGATGGG CAGCTCTTCC TCAAAACGA CAATTTATTT ACCAACAGCT CATCTTACTA

6910 6920 6930 6940 6950 6960
CTTCTTGACT AGTCTTTGG TCGATGGCAA GTTGACCTAC CAGAGCCGGC CTCTGACCTT

6970 6980 6990 7000 7010 7020
TGGCTGGAG CCTGGCGAAT CCGGGACCTT TGCCCTGCCT TGGCCGGAAG TCGCTGATGA

7030 7040 7050 7060 7070 7080
AAAAGGGGAG GTCGTCTACC GGGTAACGGC CCACTAAAAA GAAGACTTGC CTTGGGCGGA

7090 7100 7110 7120 7130 7140
TGAGGGCTTC ACTGTGGCTG AAGCAGAAGA AGTAGCTCAA AAGCTGCCGG AATTTAAGCC

7150 7160 7170 7180 7190 7200
GGAAGGGCGG CCAGATTAG TTGATTCCGA CTACAACCTA GGCTGAAAG GAAATAACTT

FIG. 5F

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

7210 7220 7230 7240 7250 7260
CCAAATTCTC TTCTCCAAGG TCAAGGGCTG GCCGGTTTCC CTCAAGTATG CCGGTAGGGA
7270 7280 7290 7300 7310 7320
ATACTTGAAG CGGCTGCCGG AATTTACCTT CTGGCGGGCC CTGACGGACA ACGACCGGGG
7330 7340 7350 7360 7370 7380
AGCTGGTTAC GGCTATGATC TGGCCCGGTG GGAAAATGCC GGCAAGTATG CCCGCTTGAA
7390 7400 7410 7420 7430 7440
AGACATCAGC TGCGAGGTCA AGGAAGACTC CGTTTGGTC AAGACTGCCT TTACGTTGCC
7450 7460 7470 7480 7490 7500
TGTGCCCCTA AAGGGTGATT TAACCGTGAC CTATGAAGTC GATGGACGGG GCAAGATTGC
7510 7520 7530 7540 7550 7560
TGTAACAGCT GACTTCCCAG GCGCGGAAGA AGCTGGTCTC TTGCCAGCCT TTGGCTTGAA
7570 7580 7590 7600 7610 7620
CCTGGCCCTG CCAAAAGAAC TGACCGATTA CCGCTACTAT GGTCTGGGAC CTAATGAGAG
7630 7640 7650 7660 7670 7680
CTACCCAGAC CGCTTGGAAAG GTAATTACCT GGGCATCTAC CAGGGAGCGG TAAAAAAGAA
7690 7700 7710 7720 7730 7740
CTTTAGCCC TATCGTCCGC AGGAAACGGG CAACCGGAGC AAGGTTCGCT GGTACCAGCT
7750 7760 7770 7780 7790 7800
CTTGTATGAA AAGGGCGGCT TGGATTAC GGCAATGGG GCAGACTTGA ACTTGTCTGC
7810 7820 7830 7840 7850 7860
TTTGCCATAT TCTGCCGCCCA AAATTTAAGC AGCGGACCCAC GTTTTGAAC TGACTAACAA
7870 7880 7890 7900 7910 7920
TTACACTTGG GTTAGAGCCT TAAGCGCCCA GATGGGGGTC GGCGGGGATG ACTCCTGGGG
7930 7940 7950 7960 7970 7980
GCAGAAGGTC CACCCCGGAAT TCTGCCTGGA TGCTAAAAA GCCCGCCAGC TTCGCCTGGT
7990 8000 8010 8020 8030 8040
GATTCAAGCC CTTTTACTAA AATAAATGCT ACAATTGACT TAACAGGATG AAATTTAGT
8050 8060 8070 8080 8090 8100
AAAAGCAAAG CGAGTGAGGA AGATGGCAAC GATCAGAGAA GTGCCAAGGC AGCCGGCGTG
8110 8120 8130 8140 8150 8160
TCGCTAGCGA CGGTC.....

FIG. 5G

10	20	30	40	50	60
GATGTACGGG	CCAGATATAAC	GCGTTGACAT	TGATTATTGA	CTAGTTATTA	ATAGTAATCA
70	80	90	100	110	120
ATTACGGGGT	CATTAGTTCA	TAGCCCATAT	ATGGAGTTCC	GCGTTACATA	ACTTACGGTA
130	140	150	160	170	180
AATGGCCCCGC	CTGGCTGACC	GCCCAACGAC	CCCCGCCCAT	TGACGTCAAT	AATGACGTAT
190	200	210	220	230	240
GTTCCCATAG	TAACGCCAAT	AGGGACTTTC	CATTGACGTC	AATGGGTGGA	CTATTTACGG
250	260	270	280	290	300
TAAACTGCC	ACTTGGCAGT	ACATCAAGTG	TATCATATGC	CAAGTACGCC	CCCTATTGAC
310	320	330	340	350	360
GTCAATGACG	GTAAATGGCC	CGCCTGGCAT	TATGCCAGT	ACATGACCTT	ATGGGACTTT
370	380	390	400	410	420
CCTACTTGGC	AGTACATCTA	CGTATTAGTC	ATCGCTATT	CCATGGTGT	CCGGTTTIGG
430	440	450	460	470	480
CAGTACATCA	ATGGGCGTGG	ATAGCGGTTT	GACTCACGGG	GATTCCAAG	TCTCCACCCC
490	500	510	520	530	540
ATTGACGTCA	ATGGGAGTTT	GTTTTGGCAC	CAAATCAAC	GGGACTTTCC	AAAATGTCGT
550	560	570	580	590	600
AACAACCTCCG	CCCCATTGAC	GCAAATGGGC	GGTAGGCGTG	TACGGTGGGA	GGTCTATATA
610	620	630	640	650	660
AGCAGAGCTC	TCTGGCTAAC	TAGAGAACCC	ACTGCCTACT	GGCTTATCGA	AATTAATACG
670	680	690	700	710	720
ACTCACTATA	GGGAGACCCA	AGCTTGGTAC	CGAGCTCGGA	TCCACTAGTA	ACGGCCGCCA
730	740	750	760	770	780
GTGTGCTGGA	ATTCTGCAGA	TATCCATCAC	ACTGGCGGCC	GCTCGAGCAT	GCATCTAGAG
790	800	810	820	830	840
GGCCCTATTTC	TATAGTGTCA	CCTAAATGCT	AGAGCTCGCT	GATCAGCCTC	GACTGTGCCT
850	860	870	880	890	900
TCTAGTTGCC	AGCCATCTGT	TGTTGCCCC	TCCCCCGTGC	CTTCCTTGAC	CCTGGAAGGT
910	920	930	940	950	960
GCCACTCCCC	CTGTCCTTTC	CTAATAAAAT	GAGGAATTG	CATGGCATTG	TCTGAGTAGG
970	980	990	1000	1010	1020
TGTCATTCTA	TTCTGGGGGG	TGGGGTGGGG	CAGGACAGCA	AGGGGGAGGA	TTGGGAAGAC
1030	1040	1050	1060	1070	1080
AATAGCAGGC	ATGCTGGGGA	TGCGGTGGGC	TCTATGGCTT	CTGAGGCGGA	AAGAACCAAGC
1090	1100	1110	1120	1130	1140
TGCATTAATG	AATCGGCCAA	CGCGCGGGGA	GAGGCGGTTT	GCGTATTGGG	CGCTCTTCCG
1150	1160	1170	1180	1190	1200
CTTCCTCGCT	CACTGACTCG	CTGGCGCTCGG	TCGTTGGCT	GCGGCGAGCG	GTATCAGCTC

FIG. 6A

1210	1220	1230	1240	1250	1260
ACTCAAAGGC	GGTAATACGG	TTATCCACAG	AATCAGGGGA	TAACGCAGGA	AAGAACATGT
1270	1280	1290	1300	1310	1320
GAGCAAAAGG	CCAGCAAAAG	GCCAGGAACC	GTAAAAAAGGC	CGCGTGTCTG	GCGTTTTTC
1330	1340	1350	1360	1370	1380
ATAGGCCTCCG	CCCCCCTGAC	GAGCATCAC	AAAATCGACG	CTCAAGTCAG	AGGTGGCGAA
1390	1400	1410	1420	1430	1440
ACCCGACAGG	ACTATAAAGA	TACCAGGCGT	TTCCCCCTGG	AAGCTCCCTC	GTGCGCTCTC
1450	1460	1470	1480	1490	1500
CTGTTCCGAC	CCTGCCGCTT	ACCGGATACC	TGTCCGCC	TCTCCCTTCG	GGAAGCGTGG
1510	1520	1530	1540	1550	1560
CGCTTTCTCA	ATGCTCACGC	TGTAGGTATC	TCAGTTCCGGT	GTAGGTCGTT	CGCTCCAAGC
1570	1580	1590	1600	1610	1620
TGGGCTGTGT	GCACGAACCC	CCCCTTCAGC	CCGACCGCTG	CGCCTTATCC	GGTAACATATC
1630	1640	1650	1660	1670	1680
GTCTTGAGTC	CAACCCGGTA	AGACACGACT	TATCGCCACT	GGCAGCAGCC	ACTGGTAACA
1690	1700	1710	1720	1730	1740
GGATTAGCAG	AGCGAGGTAT	GTAGGCGGTG	CTACAGAGTT	CTTGAAGTGG	TGGCCTAACT
1750	1760	1770	1780	1790	1800
ACGGCTACAC	TAGAAGGACA	GTATTGGTA	TCTCGCCTCT	GCTGAAGCCA	GTACCTTCG
1810	1820	1830	1840	1850	1860
GAAAAAGAGT	TGGTAGCTCT	TGATCCGGCA	AACAAACCAC	CGCTGGTAGC	GGTGGTTTTT
1870	1880	1890	1900	1910	1920
TIGTTIGCAA	GCAGCAGATT	ACGCGCAGAA	AAAAAGGATC	TCAAGAAGAT	CCTTTGATCT
1930	1940	1950	1960	1970	1980
TTTCTACGGG	GTCTGACGCT	CAGTGGAACG	AAAACTCAGC	TTAAGGGATT	TTGGTCATGA
1990	2000	2010	2020	2030	2040
GCGGATACAT	ATTTGAATGT	ATTTAGAAAA	ATAAACAAAT	AGGGGTTCCG	CGCACATTTC
2050	2060	2070	2080	2090	2100
CCCGAAAAGT	GCCACCTGAC	GTCGACGGAT	CGGGAGATCA	TATCCTGACA	TTCTCTTTAC
2110	2120	2130	2140	2150	2160
CAAATAAAAT	AATTTTGTTT	ATTAAAATCC	CATTTIGCGA	CAACTCTTC	CGCAGCTTCC
2170	2180	2190	2200	2210	2220
ATTTIGCTCT	TGGTGTAAATC	TTCATCGCCA	ACATGAACCTA	AATCACCATT	CTCAACATCT
2230	2240	2250	2260	2270	2280
TCAAGTTICA	AATCTTGCTT	AATTTGCTTT	AATAATCCAC	CATAGCTGAT	TTGTCGTGTT
2290	2300	2310	2320	2330	2340
CCAGCTAAGG	CATACTCCAA	ATTTTAATC	ACCACCAAAAT	TACGCTCATC	ATCAGCCGTC
2350	2360	2370	2380	2390	2400
ATATAATCAG	CTGATTTAC	CTCGTATTTC	GGCGTTTCTT	CGGCACATAGC	TTGCAAAGAG

FIG. 6B

2410	2420	2430	2440	2450	2460
TCAGTTCCCTT TACGTTTGTT AGCTTTAACCA GCCTGCACAT GCACCAACAGG CTCATAATCA					
2470	2480	2490	2500	2510	2520
ACTTTCAAGG CTTTTTGCCA TAATTTGCCA CATTCTGCTT GTGCTAAATA ATTATTTGAA					
2530	2540	2550	2560	2570	2580
TTCTTAAAAT AACTTGATTT TACAAACAGC AACACATGCA AGTGTGATT ATATGACCCG					
2590	2600	2610	2620	2630	2640
TCTTGTTCAT TAACGGTAAT TTCCGGTGA CGTAAATAAC CCAATAAATT TTTAGTCACT					
2650	2660	2670	2680	2690	2700
TTTTTATAGC GAGTTAGCTT ATTAAAGGCT TTAGTCAAAG CTCTTAAAGA CACTTTAAC					
2710	2720	2730	2740	2750	2760
TCCTCTGCTG AATGAGCGTT TTTAACGGTT AAAGTTAAAA ACAAAAACCG TCCTTTAGGC					
2770	2780	2790	2800	2810	2820
TCTCTTGCAA CTGCTTCCGC AATAATTGT TTTAACTGGC TCGAGTTTTT CATGCTCCTT					
2830	2840	2850	2860	2870	2880
CTCCAATTAC ACAATGGACA CAATCGTTA TGACAAAACC ACAGTTGATA AAGTTTAAG					
2890	2900	2910	2920	2930	2940
TGCTCGCCAA TCTTACGAAA ACGCAAAACT TCACCACAAC CCCGTACATC ATGTGCCCGT					
2950	2960	2970	2980	2990	3000
TTAAATTCTA AGATTGCCAA ATATTGGCA TAGCGCACAT TTCAATCTT CCGTTCTCGC					
3010	3020	3030	3040	3050	3060
CAAGGTCTAA CTTTGCCATT TTCAGTTTA TCTTCAAAAA TTCTGACAT AAAAGCTCC					
3070	3080	3090	3100	3110	3120
TCCAGTTTAT CCACGTGAAG GAGCTGACTA TCTTTTCAA TAAGCTTATA ACCTTGACAT					
3130	3140	3150	3160	3170	3180
CATAGGGCTT TTCCCCTAGA ATAGGCTATA AATCGCAAAT GATAATCAAC TCACGTGTC					
3190	3200	3210	3220	3230	3240
CGAGCGGCCA AACTAGGAAT TTGCACGTGG GTTTTATTT TGTCCTTCTT TCAACCAATT					
3250	3260	3270	3280	3290	3300
TATAACCCTA ATAATACACC AAAAGCCTAT AAAATCAATG GATACAAGCC CAATTAAGCC					
3310	3320	3330	3340	3350	3360
TAATCAAGCT TGATTTTAA AAACTAGTTG TTGCTAATAG TATCAAGATA AGAAGAAAAC					
3370	3380	3390	3400	3410	3420
GCCAAAAATT GCGTTTTAA ACCCAAAAAA GCAGATCAGC AAAAACCGCT GAACTGCTTT					
3430	3440	3450	3460	3470	3480
TTTTAAACCG TGGCTTTCAAG CCACACTGAC CAGCTGAACC AGCTGGACCG TAACGCTTGC					
3490	3500	3510	3520	3530	3540
CGCCGCTGGG CTCGGGAAAA CAAGGGCTTG TTTTCCAAGA CGTCAGGCTT TTGGTATTGT					
3550	3560	3570	3580	3590	3600
CTAGTCTATC AACTCCTTAA AGCCTCCAAG AGGGGCTAAT ATGCCCTGTA AGGCTCAATA					

FIG. 6C

3610 3620 3630 3640 3650 3660
 AGCCCCCTCTA AGTCGATTAA CCGTTGACAG ACAGTTAGAT AGCTAACTGT TAGCTAAAAT
 3670 3680 3690 3700 3710 3720
 CGCTTAGAAC GCAAATAAGA GCCTTTAAAAA TTAACGTTCA AAAATAAAAAA AGTTCGAAGG
 3730 3740 3750 3760 3770 3780
 AGCTAGCGAC TGAACCTTATT TATTTTTGAA TGTTCCAAAC TGACGCAAGT CAGTTACGTT
 3790 3800 3810 3820 3830 3840
 TGAGCAACGC GAAATCTGAT GCAGGGTTTG ATGGGTTTAG CACAACACAA CTTCATGTTG
 3850 3860 3870 3880 3890 3900
 TGTGTAAGTG CGCACTACAT GATAATGCGC ACTACATGAT AATGCCACT ACATGATAAT
 3910 3920 3930 3940 3950 3960
 GTGCGCACTA CATGATAATG CGCACTACAT GATAATGTAC ATGATAATGT GCGCACTACA
 3970 3980 3990 4000 4010 4020
 TGATAATGCG CACTACATGA TAATGCGCAC TACATGATAAA TGCGCACTAC ATGATAATGC
 4030 4040 4050 4060 4070 4080
 GCACTACATG ATAATGCCA CTACATGATA ATGCCACTA CATGATAATG TGCACCTTACA
 4090 4100 4110 4120 4130 4140
 CTCCAAATAA ATTGGAGTAA TGCTAAAACC TGTATCAGAA GTCAGCAAGC TGACAACAAA
 4150 4160 4170 4180 4190 4200
 AAAGGGATAT GCCAACGGAT TTACCGTTGA TCTCCCGATC CCCTATGGTC GACTCTCAGT
 4210 4220 4230 4240 4250 4260
 ACAATCTGCT CTGATGCCGC ATAGTTAACG CAGTATCTGC TCCCTGCTTG TGTGTIGGAG
 4270 4280 4290 4300 4310 4320
 GTCGCTGAGT AGTGCACGAG CAAAATTAA GCTACAACAA GGCAAGGCTT GACCGACAAT
 4330 4340 4350 4360 4370 4380
 TGCATGAAGA ATCTGCTTAG GGTTAGGCCTT TTTGCGCTGC TTCGTTAGAA GCAAACATAAG
 4390 4400 4410 4420 4430 4440
 AGTGTGTTGA GTAGTGCAGT ATCTTAAAT TTTGTATAAT AGGAATTGAA GTTAAATTAG
 4450 4460 4470 4480 4490 4500
 ATGCTAAAAA TTTGTAATTA AGAAGGAGTG ATTACATGAT TGGCAGCCAG TCTCCGGCA
 4510 4520 4530 4540 4550 4560
 ATTAATGAAC TTGGACATGG TTGACGACCC GGTCTTTGCA AGCCGAATTG GACCACACTG
 4570 4580 4590 4600 4610 4620
 GCGGCCGTTA CTAGGGTATC GATCCGATAAA AAAGTTAGGC GACGGCTTTG CCCTGGTGCC
 4630 4640 4650 4660 4670 4680
 AGCAGACGGT AAGGTCTACG CGCCATTGTC CGGTACTGTC CGCCAGCTGG CCAAGACCCG
 4690 4700 4710 4720 4730 4740
 GCACTCGATC GTCCTGGAAA ATGAACATGG GGTCTTGGTC TTGATTCAAC TTGGCCTGGG
 4750 4760 4770 4780 4790 4800
 CAOGGTCAAA TTAAACGGGA CTGGCTTGT CAGCTATGTT GAAGAGGGCA GCCAGGTACA

FIG. 6D

4810	4820	4830	4840	4850	4860
AGCCGGCCAG CAGATCCTGG AATTCTGGGA CCCGGCGATC AAGCAGGCCA AGCTGGACGA					
4870	4880	4890	4900	4910	4920
CACGGTAATC GTGACCGTCA TCAACAGCGA AACTTTACA AATAGCCAGA TGCTCTTGCC					
4930	4940	4950	4960	4970	4980
GATCGGCCAC AGCGTCCAAG CCCTGGATGA TGTATTCAAG TTAGAAGGGA AGAATTAGAA					
4990	5000	5010	5020	5030	5040
AATGAGCAAT AAGTTAGTAA AAGAAAAAAAG AGTTGACCAG GCAGACCTGG CCTGGCTGAC					
5050	5060	5070	5080	5090	5100
TGACCCGGAA GTTTACGAAG TCAATACAAT TCCCCCGCAC TCCGACCATG AGTCCTTCCA					
5110	5120	5130	5140	5150	5160
AAGCCAGGAA GAACTGGAGG AGGGCAAGTC CAGTTTAGTG CAGTCCCTGG ACGGGGACTG					
5170	5180	5190	5200	5210	5220
GCTGATTGAC TACGCTGAAA ACGGCCAGGG ACCAGTCAAC TTCTATGCAG AAGACTTTGA					
5230	5240	5250	5260	5270	5280
CGATAGCAAT TTTAAGTCAG TCAAAGTACC CGGCAACCTG GAACTGCAAG GCTTTGGCA					
5290	5300	5310	5320	5330	5340
GCCCCAGTAT GTCAACGTCC AATATCCATG GGACGGCAGT GAGGAGATTT TCCCGCCCCA					
5350	5360	5370	5380	5390	5400
AATTCCAAGC AAAAATCCGC TCGCTTCTTA TGTCAAGATAC TTTGACCTGG ATGAAGCTTT					
5410	5420	5430	5440	5450	5460
CTGGGACAAG GAAAGTCAGCT TGAAGTTTGA CGGGGCGGCA ACAGCCATCT ATGTCTGGCT					
5470	5480	5490	5500	5510	5520
GAACGGCCAC TTCGTGGCT ACGGGGAAGA CTCCCTTACC CCAAGCGAGT TTATGGTTAC					
5530	5540	5550	5560	5570	5580
CAAGTTCCCTC AAGAAAGAAA ATAACCGCCT GGCAGTGGCT CTCTACAAGT ATTCTTCCGC					
5590	5600	5610	5620	5630	5640
CTCCCTGGCTG GAAGACCAGG ACTTCTGGCG CATGTCTGGT TTGTTTCAGAT CAGTGACTCT					
5650	5660	5670	5680	5690	5700
TCAGGCCAAG CCGCGTCTGC ACTTGGAGGA CCTTAAGCTT ACGGCCAGCT TGACCGATAA					
5710	5720	5730	5740	5750	5760
CTACCAAAAA GGAAAGCTGG AAGTCGAAGC CAATATTGCC TACCGCTTGC CAAATGCCAG					
5770	5780	5790	5800	5810	5820
CTTTAAGCTG GAAGTGGGGG ATAGTGAAGG TGACTTGGTT GCTGAAAAGC TGGGCCCAAT					
5830	5840	5850	5860	5870	5880
CAGAACCGAG CAGCTGGAAT TCACCTCTGGC TGATTGCCA GTAGCTGCCT GGAGCGCGGA					
5890	5900	5910	5920	5930	5940
AAAGCCTAAC CTTTACCCAGG TCCGCCTGTA TTTATACCAG GCAGGGCAGCC TCTTAGAGGT					
5950	5960	5970	5980	5990	6000
TAGCCGGCAG GAAGTGGGTT TCCGCAACTT TGAACAAAAA GACGGGATTA TGTACCTTAA					

FIG. 6E

6010	6020	6030	6040	6050	6060
CGGCCAGCGG	ATCGTCTICA	AGGGGGCCAA	CGGGCACGAA	TTTGACAGTA	AGTTGGGTGG
6070	6080	6090	6100	6110	6120
GGCTATCACG	GAAGAGGATA	TGATCTGGGA	CATCAAGACC	ATGAAGCGAA	GCAACATCAA
6130	6140	6150	6160	6170	6180
TGCTGTCCGC	TGCTCTCACT	ACCCGAACCA	GTCCCTCTTT	TACCGGCTCT	GTGACAAGTA
6190	6200	6210	6220	6230	6240
CGGCCTTAC	GTCATTGATG	AAGCTAACCT	GGAAAGCCAC	GGCACCTGGG	AAAAAGTGGG
6250	6260	6270	6280	6290	6300
GGGGCACGAA	GATCCTAGCT	TCAATGTTCC	AGGCGATGAC	CAGCATTGGC	TGGGAGCCAG
6310	6320	6330	6340	6350	6360
CTTATCCCGG	GTGAAGAACAA	TGATGGCTCG	GGACAAGAAC	CATGCTTCAA	TCCTAATCTG
6370	6380	6390	6400	6410	6420
GTCTTTAGGC	AATGAGTCTT	ACGCCGGCAC	TGTCTTTGCC	CAAATGGCTG	ATTACGTCGG
6430	6440	6450	6460	6470	6480
GAAGGCTGAT	CCGACCCGGG	TTCAGCACTA	TGAAGGGGTG	ACCCACAACC	GGAAGTTTGA
6490	6500	6510	6520	6530	6540
CGACGCCACC	CAGATTGAAA	GCCGGATGTA	TGCTCCGGCC	AAGGTAATTG	AAGAATACTT
6550	6560	6570	6580	6590	6600
GACCAATAAA	CCAGCCAAGC	CATTATCTC	AGTTGAATAC	GCTCACGCCA	TGGGCAACTC
6610	6620	6630	6640	6650	6660
CGTCGGTGAC	CTGGCCGGCT	ACACGGCCCT	GGAAAAATAC	CCCCACTACC	AGGGCGGCTT
6670	6680	6690	6700	6710	6720
CATCTGGGAC	TGGATTGACC	AAGGACTGGA	AAAAGACGGG	CACCTGCTTT	ATGGGGGCCGA
6730	6740	6750	6760	6770	6780
CTTCGATGAC	CGGCCAACCG	ACTATGAATT	CTGCGGGAAC	GGCCTGGTCT	TTGCTGACCG
6790	6800	6810	6820	6830	6840
GACTGAATCG	CCGAAACTGG	CTAATGTCAA	GGCCCTTAC	GCCAACCTTA	AGTTAGAAGT
6850	6860	6870	6880	6890	6900
AAAAGATGGG	CAGCTCTTCC	TCAAAACGA	CAATTTATTT	ACCAACAGCT	CATCTTACTA
6910	6920	6930	6940	6950	6960
CTTCTTGACT	AGTCTTTGG	TCGATGGCAA	TTTGACCTAC	CAGAGCCGGC	CTCTGACCTT
6970	6980	6990	7000	7010	7020
TGGCCTGGAG	CCTGGCGAAT	CCGGGACCTT	TGCCCTGCT	TGGCCGGAAAG	TCGCTGATGA
7030	7040	7050	7060	7070	7080
AAAAGGGGAG	GTCGTCTACC	GGGTAAACGGC	CCACTTAAAAA	GAAGACTTGC	CTTGGGGCGGA
7090	7100	7110	7120	7130	7140
TGAGGGCTTC	ACTGTGGCTG	AAGCAGAAGA	AGTAGCTCAA	AAGCTGCCGG	AATTTAACGCC
7150	7160	7170	7180	7190	7200
GGAAGGGCGG	CCAGATTAG	TTGATTCCGA	CTACAACCTA	GGCCTGAAAG	GAAATAACCTT

FIG. 6F

7210	7220	7230	7240	7250	7260
CCAAATTCTC TTCTCCAAGG TCAAGGGCTG GCCGGTTTCC CTCAAGTATG CCGGTAGGGA					
7270	7280	7290	7300	7310	7320
ATACTTGAAG CGGCTGCCGG AATTACCTT CTGGCGGGCC CTGACGGACA ACGACCGGGG					
7330	7340	7350	7360	7370	7380
AGCTGGTTAC GGCTATGATC TGGCCCGGTG GGAAAATGCC GGCAAGTATG CCCGCTTGAA					
7390	7400	7410	7420	7430	7440
AGACATCAGC TGCGAGGTCA AGGAAGACTC CGTTTGGTC AAGACTGCCT TTACGTTGCC					
7450	7460	7470	7480	7490	7500
TGTGCGCTTA AAGGGTGATT TAACCGTGAC CTATGAAGTC GATGGACGGG GCAAGATIGC					
7510	7520	7530	7540	7550	7560
TGTAACAGCT GACTTCCCAG GCGCGGAAGA AGCTGGTCTC TTGCCAGCCT TTGGCTTGAA					
7570	7580	7590	7600	7610	7620
CCTGGCCCTG CCAAAAGAAC TGACCGATTA CCGCTACTAT GGTCTGGGAC CTAATGAGAG					
7630	7640	7650	7660	7670	7680
CTACCCAGAC CGCTTGAAG GTAAATTACCT GGGCATCTAC CAGGGACGGG TAAAAAAAGAA					
7690	7700	7710	7720	7730	7740
CTTTAGCCCA TATCGTCCGC AGGAAACGGG CAACCGGAGC AAGGTTCGCT GGTACCAGCT					
7750	7760	7770	7780	7790	7800
CTTTGATGAA AAGGGCGGCT TGGAATTAC GGCAATGGG GCAGACTTGA ACTTGTCTGC					
7810	7820	7830	7840	7850	7860
TTTGCCATAT TCTGCCGCC AAATTGAAGC AGCGGACCCAC GCTTTGAAC TGACTAACAA					
7870	7880	7890	7900	7910	7920
TTACACTTGG GTTAGAGCCT TAAGCGCCCA GATGGGGTC GGCGGGGATG ACTCCTGGGG					
7930	7940	7950	7960	7970	7980
GCAGAAGGTC CACCCGGAAT TCTGCCTGGA TGCTAAAAA GCCCGCCAGC TTCGCCTGGT					
7990	8000	8010	8020	8030	8040
GATTCAAGCCC CTTTACTAA AATAATGCT ACAATTGACT TAACAGGATG AAATTTAGT					
8050	8060	8070	8080	8090	8100
AAAAGCAAAG CGAGTGAGGA AGATGGCAAC GATCAGAGAA GTGCCAAGGC AGCCGGCGTG					
8110	8120	8130	8140	8150	8160
TCGCTAGCGA CGGTC.....					

FIG. 6G

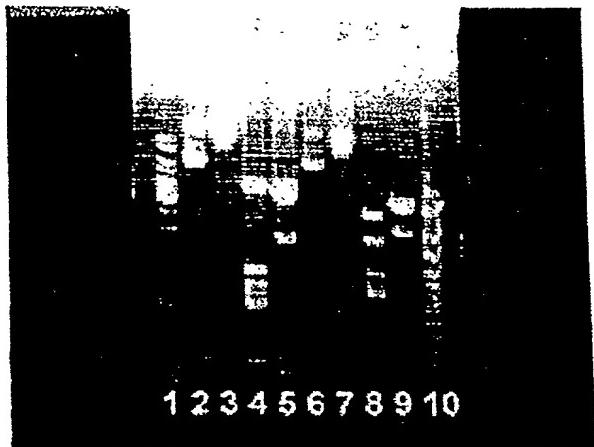


FIG. 7A

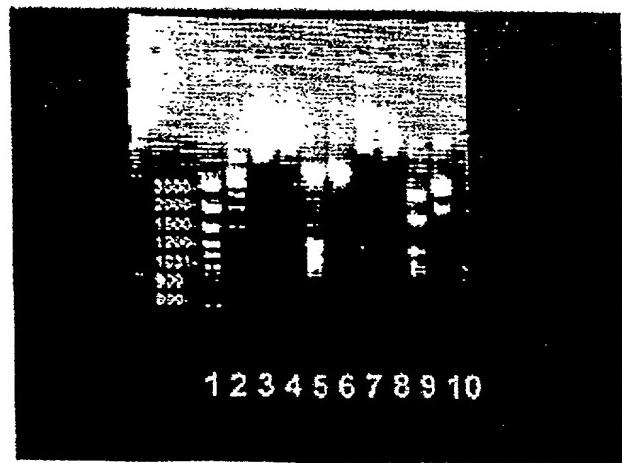


FIG. 7B